



Missouri  
Department of  
Natural Resources

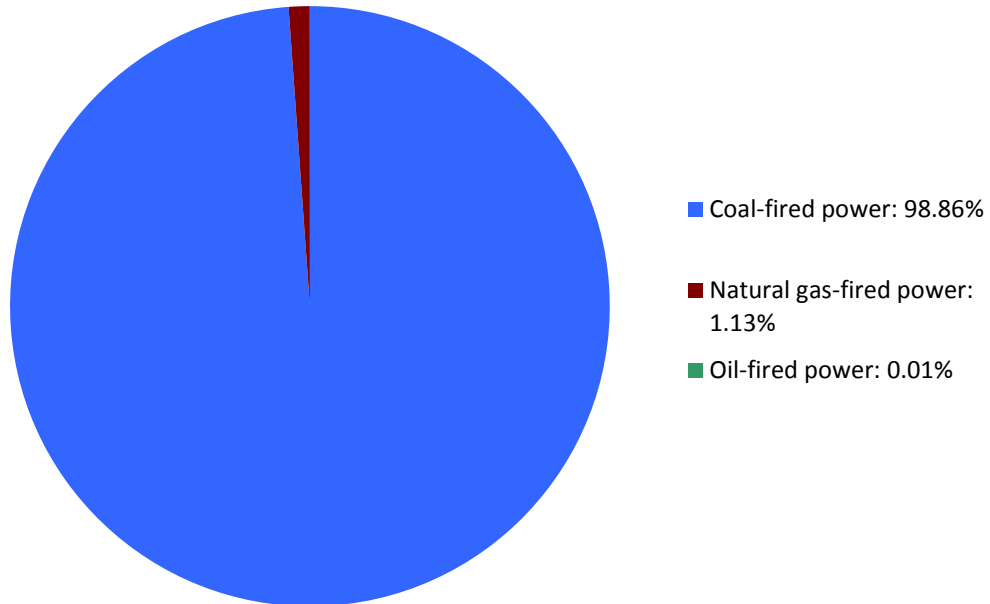
**Power Plant: James River Power Station**  
**Plant Owner: City Utilities of Springfield**  
**Power generated in 2009 from non-renewable and renewable sources**

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated in 2009 (MWh)	Percent of Total	
Non-renewable sources						
Coal-fired power	14,074,420	98.79%		1,209,420	98.86%	
Natural gas-fired power	171,608	1.20%		13,820	1.13%	
Oil-fired power	978	0.01%		67	0.01%	
Nuclear power						
Other non-renewable power						
Non-renewable total	14,247,006	100.00%	100.00%	1,223,307	100.00%	100.00%
Renewable sources						
Hydroelectric Power						
Wind						
Waste and biomass						
Solar						
Geothermal						
Landfill Gas						
Renewable total	0	0.00%	0.00%	0	0.00%	0.00%
Grand total all sources	14,247,006		100.00%	1,223,307		100.00%

Fuel Type	Physical Units	Number of Units
<b>Sub-Bituminous Coal</b>	Short Tons	806,629
<b>Natural Gas</b>	Mcf	169,549
<b>Distillate Fuel Oil</b>	Barrels	168



### Net Generation by Fuel Type, 2009 for James River Power Station





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**Emissions from Electricity Generated in 2009**

Plant	Carbon Dioxide(CO2) (Tons)	Carbon Monoxide(CO) (Tons)	Ammonia (NH3) (Tons)	Nitrogen Oxides (NOx) (Tons)	Sulfur Dioxides (SO2) (Tons)
<b>James River Power Station</b>	1,255,994.00	901.33	7.50	1,438.24	3,780.18

Plant	Volatile Organic Compounds (VOC) (Tons)	Course Particulate Matter (PM10) (Tons)	Fine Particulate Matter (PM2.5) (Tons)	Mercury (Hg) (LBS)
<b>James River Power Station</b>	24.53	453.97	132.36	59.00

'NV' = Emissions value not available.



**Pollution controls installed on James River Power Station**

<b>SO2 Controls</b>			
Plant	Control Equipment	Sorbent Type	Operational Efficiency
<b>James River Power Station</b>	No SO2 Controls Installed		

<b>NOX Controls</b>				
Plant	Device Type	Description	Capture Efficiency	Control Efficiency
<b>James River Power Station</b>	WATER INJECTION	WATER INJECTION	100.00%	64.00%

**Data Sources**

- Emissions Data: Missouri Department of Natural Resources, Air Pollution Control Program, Missouri Emissions Inventory System (MOEIS)  
<http://www.dnr.mo.gov/env/apcp/moeis/emissionsreporting.htm>
- CO2 Emissions calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data
- Fuel Consumption and Generation Data: United States Energy Information Administration, Form 923, United States Department of Energy  
[http://www.eia.gov/cneaf/electricity/page/eia906\\_920.html](http://www.eia.gov/cneaf/electricity/page/eia906_920.html)